

ABSTRACT OF THE DISCLOSURE

In a duty ratio detecting apparatus, a duty ratio detecting circuit is constructed by first and second nodes, a load current supplying circuit for supplying first and second load currents to the first and second nodes, respectively, and a current switch connected to the first and second nodes. The current switch is operated in response to first and second complementary duty ratio signals. A duty ratio maintaining circuit is constructed by third and fourth nodes for receiving and maintaining voltages at the first and second nodes, respectively. A first switch is connected between the first and third nodes, and a second switch is connected between the second and fourth nodes. The load current supplying circuit is controlled by voltages at the third and fourth nodes.